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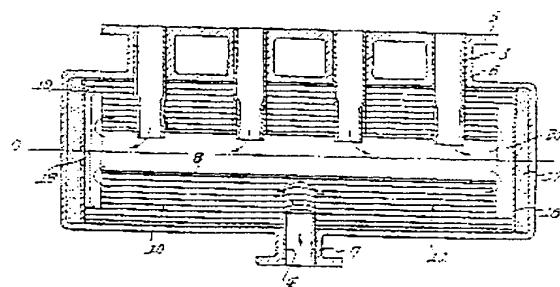
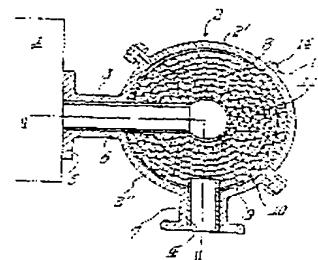
APPLICATION DATE : 15-11-85
APPLICATION NUMBER : 60256230

APPLICANT : MITSUBISHI MOTORS CORP;

INVENTOR : TSUJI KATSUYUKI;

INT.CL. : F01N 3/26

TITLE : EXHAUST MANIHOLD REACTOR



ABSTRACT : PURPOSE: To improve an efficiency of purification of exhaust gas by a method wherein several layers at an outer circumferential side are made as thermal insulation layer and inner several layers are made as a catalyst carrying layer in a system in which a thermal insulation heat keeping body having a plurality of wound metallic plates in a proper thermal insulation space is arranged at an inner surface of the reactor.

CONSTITUTION: An exhaust gas manihold reactor 2 discharges the gas from an exhaust gas pipe 4 after hazardous constituent in the exhaust gas introduced through a feeding pipe 3 is removed under a combustion reaction, and a thermal insulation heat keeping body 11 of hollow cylindrical member in which several layers with corrugated plates 9 and the planer plates 10 are combined and wound around an outer circumference of the thin-walled inner cylinder 8 is installed in the casings 2' and 2'' of two-divided structure. In this case, metallic powders showing catalyst action are spray coated on at least one of the corrugated plates 9 and the planer plates 10 of several layers 18 so as to form a permeable catalyst carrying layer. The remaining layers 19 are not processed with the treatment and then the non-permeable thermal insulation layer having a longer length than that of the layer 18 is formed.

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